



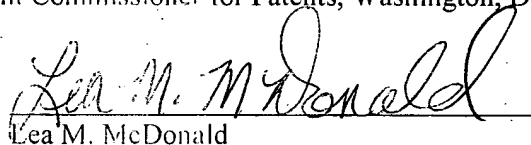
PATENT
Attorney Docket No. CTX-070
(1545/123)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Collins
SERIAL NO.: 09/866,374 GROUP NO.: Not Yet Assigned
FILING DATE: May 25, 2001 EXAMINER: Not Yet Assigned
TITLE: Adapting Graphical Data, Processing Activity To Changing Network Conditions

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Assistant Commissioner for Patents, Washington, DC 20231 on this 22nd day of June, 2001.


Lea M. McDonald

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith are:

1. Transmittal Form (1 page);
2. Information Disclosure Statement (2 pages);
3. Form PTO-1449 (3 pages);
4. Copy of References A1-A45, B1-B9, C1-C6; and
5. Return Receipt Postcard.



TRANSMITTAL FORM

Application Serial Number	09/866,374
Filing Date	May 25, 2001
First Named Inventor	Collins
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket No.	CTX-070 (1545/123)
BATCH NO. (after allowance)	Not applicable
Patent No.	Not applicable
Issue Date	Not applicable


ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____]	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
<input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations: A1 -A45, B1-B9, C1-C6	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
	<input type="checkbox"/> Small Entity Statement	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
	<input type="checkbox"/> CD(s) for large table or computer program	
	<input type="checkbox"/> Amendment After Allowance	
	<input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	

CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
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SIGNATURE BLOCK

Respectfully submitted,

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Reg. No. 47,416
Tel. No.: (617) 248-7690
Fax No.: (617) 248-7100



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Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**



☐ the requisite Statement is below, **AND**

☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Elias Behrakis

Elias C. Behrakis
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Boston, Massachusetts 02110

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Reg. No. 47,416

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FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO.: CTX-070 (1545/123) APPLICANT(S): Collins SERIAL NO.: 09/866,374 FILING DATE: May 25, 2001, GROUP: To Be Assigned
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U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	4,013,828	3/22/77	Judice	358	133	2/20/76
	A2	4,410,916	10/18/83	Pratt et al.	358	263	7/9/81
	A3	4,463,424	7/31/84	Mattson et al.	364	300	10/21/83
	A4	4,499,499	2/12/85	Brickman et al.	358	263	12/29/82
	A5	4,562,423	12/31/85	Humblet	340	347	6/5/84
	A6	4,701,745	10/20/87	Waterworth	340	347	3/3/86
	A7	4,796,003	1/3/89	Bentley et al.	341	95	6/28/84
	A8	4,807,029	2/21/89	Tanaka	358	133	6/16/87
	A9	4,862,392	8/29/89	Steiner	364	522	3/7/86
	A10	4,870,662	8/26/89	Lindbergh et al.	375	122	12/1/87
	A11	4,899,149	2/6/90	Kahan	341	67	2/28/86
	A12	4,928,247	5/22/90	Doyle et al.	364	518	4/20/88
	A13	4,992,954	2/12/91	Takeda et al.	364	518	8/3/88
	A14	5,001,478	3/19/91	Nagy	341	67	12/28/89
	A15	5,016,009	5/14/91	Whiting et al.	341	106	1/13/89
	A16	5,049,881	9/17/91	Gibson et al.	341	95	6/18/90
	A17	5,051,745	9/24/91	Katz	341	51	8/21/90
	A18	5,115,479	5/19/92	Murayama	382	56	9/30/91
	A19	5,119,319	6/2/92	Tanenbaum	364	514	12/14/89
	A20	5,126,739	6/30/92	Whiting et al.	341	106	11/27/90
	A21	5,140,321	8/18/92	Jung	341	55	9/4/91
	A22	5,155,485	10/13/92	Sako et al.	341	95	10/26/90
	A23	5,161,015	11/3/92	Citta et al.	358	162	4/1/91

FORM PTO - 1449

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U.S. PATENT DOCUMENTS

	A24	5,164,727	11/17/92	Zakhor et al.	341	143	4/30/91
	A25	5,315,698	5/24/94	Case et al.	395	162	8/21/91
	A26	5,321,806	6/14/94	Meinerth et al.	395	162	8/21/91
	A27	5,384,568	1/24/95	Grinberg et al.	341	51	12/2/93
	A28	5,406,279	4/11/95	Anderson et al.	341	51	9/2/92
	A29	5,455,576	10/3/95	Clark, II et a.	341	50	2/7/94
	A30	5,473,742	12/5/95	Polyakov et al.	395	142	2/22/94
	A31	5,485,460	1/16/96	Schrier et al.	370	94.1	8/19/94
	A32	5,515,111	5/7/96	Guedalia	348	427	1/28/94
	A33	5,515,508	5/7/96	Pettus et al.	395	200.01	12/17/93
	A34	5,521,597	5/28/96	Dimitri	341	51	8/2/93
	A35	5,537,551	7/16/96	Denenberg et al.	395	200.18	11/18/92
	A36	5,566,288	10/15/96	Koerhsen	395	142	9/2/94
	A37	5,572,206	11/5/96	Miller et al.	341	51	7/6/94
	A38	5,740,171	4/14/98	Mazzola et al.	370	392	3/28/96
	A39	5,771,034	6/23/98	Gibson	345	141	5/5/97
	A40	5,784,070	7/21/98	Furuhashi et al.	345	419	6/3/97
	A41	5,826,027	10/20/98	Pedersen et al.	395	200.51	10/11/95
	A42	5,918,019	6/29/99	Valencia	395	200.57	7/29/96
	A43	6,016,535	1/18/00	Krantz et al.	711	171	10/11/95
	A44	6,057,857	5/2/00	Bloomfield	345	441	06/12/96
	A45	6,081,623	6/27/01	Bloomfield et al.	382	239	10/11/95

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B1	0283735 A2	9/28/88	EP	7	30	2/22/88	N	Y



FORAM PTO - 1449

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FOREIGN PATENT DOCUMENTS

	B2	0684582 A3	4/9/97	EP	15	02	4/1/95	N	Y
	B3	0684583 A2	11/29/95	EP	11	00	4/4/95	N	Y
	B4	0691628 A2	1/10/96	EP	9	00	7/5/95	N	Y
	B5	0734144 A2	9/25/96	EP	15	28	3/4/96	N	N
	B6	0739140 A2	10/23/96	EP	7	26	4/17/96	N	Y
	B7	94/03853	2/17/94	WO	3	14	7/22/93	N	Y
	B8	95/20863	8/3/95	WO	7	26	1/20/95	N	Y
	B9	97/18635	5/22/97	WO	29	06	9/20/96	N	Y

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	C1	<i>Patents on data compression algorithms</i> ; available web site: www.iapr-ic.dimi.uniud.it ; accessed on: March 31, 1998; pages 1-10.
	C2	"The Norton Utilities Version 5.0 Disk Explorer", Copyright © 1990 Peter Norton Computing, Inc.; (pgs. 28-54); Santa Monica, CA
	C3	"Word Based Data Compression Schemes" by Bar-Ness & Peckham, © 1989 (pgs. 300-303), The Center for Communication and Signal Processing Research Department of Electrical Engineering, NJIT Newark, NJ
	C4	"A New Source Coding Method Based on LZW Adoptind the Least Recently Used Deletion Heuristic" by Hayashi, Kubo, Yamazoto & Sasase; (pgs. 190-193); May 19, 1993; University of Victoria
	C5	Murray, et al., "1.5 Move-to-Front Coding", 4 pp. 16-19, 1994.
	C6	"Creating a Wider Bus Using Caching Techniques" by Citron & Rudolph; Institute of Computer Science, Hebrew University; Jerusalem, Israel; © 1995 IEEE

EXAMINER

DATE CONSIDERED

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